

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Rec'd EPA
Reg 9 on 7/15/03
mck

July 1, 2003

Project #02148-001

Mr. Walter Guigenhiemer
USEPA Region IX
75 Hawthorne Street
San Francisco, California 94105

Phone (415) 744-3377
Fax (415) 947-3530

Re: SITE INVESTIGATION AND GROUNDWATER SAMPLING AT BOND SERVICE STATION

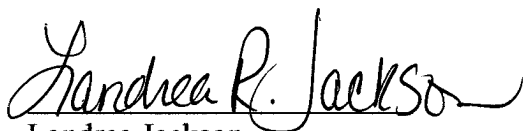
Dear Mr. Guigenhiemer:

Enclosed, please find the report entitled *Site Investigation and Groundwater Sampling* for the Bond Service Station located in Shiprock, New Mexico.

This report includes the laboratory analyses for four (4) monitor wells sampled on June 16, 2003.

If you have any questions or need additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH INC.



Landrea Jackson
Environmental Administrative Assistant
ljackson@envirotech-inc.com

Enclosure Sampling Report

Cc: Mr. Charles Foutz
File #02148

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**SITE INVESTIGATION
AND
GROUNDWATER SAMPLING**

AT

**BOND SERVICE STATION
SHIPROCK, NEW MEXICO**

PROJECT #02148-001

June 2003

SITE INVESTIGATION
AND
GROUNDWATER SAMPLING

SITE NAME:

BOND SERVICE STATION
SHIPROCK, NEW MEXICO

SUBMITTED TO:

MR. WALTER GUIGENHIEMER
USEPA REGION IX
75 HAWTHORNE STREET
SAN FRANCISCO, CALIFORNIA 94105
(415) 744-3377

SUBMITTED FOR:

MR. CHARLES FOUTZ
BOND & BOND TRUE VALUE HARDWARE
P.O. BOX 640
SHIPROCK, NEW MEXICO 87420
(505) 860-5885

SUBMITTED BY:

ENVIROTECH INC.
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

PROJECT #0202148-001

June 2003

**Site Investigation and Groundwater Sampling
At
Bond Service Station**

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

June 30, 2003

Project #02148-001

Mr. Walter Guigenhiemer
USEPA Region 9
75 Hawthorne Street
San Francisco, California 94105

Phone (415) 744-3377
Fax (415) 947-3530

RE: SITE INVESTIGATION AND SAMPLING AT THE BOND SERVICE STATION

Dear Mr. Guigenhiemer

Envirotech Inc. conducted ground water sampling and investigation activities on June 16, 2003 using the existing groundwater monitoring system located at the former Bond & Bond Service Station see **Figure 1, Vicinity Map**. The site is located in the town of Shiprock, NM on U.S. Highway 64 and is located on the Navajo Nation Indian Reservation.

This site originally had the underground storage tanks removed by Envirotech in early 1993. A follow up site investigation including soil borings and monitor well installation found shallow soil contamination from the UST's but no ground water contamination was found in the eight (8) monitor wells that were installed. Only one ground water sampling event took place during this early investigation.

The operator of the site, Mr. Charles Foutz, contracted Envirotech, to do a follow up investigation as required by the United States Environmental Protection Agency (USEPA). The work included locating, sampling and reporting on the eight (8) original monitor wells.

Envirotech was able to locate seven (7) of the original eight (8) monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7). Four (4) of the located were surveyed (MW-1, MW-4, MW-5 and MW-6); see **Figure 2, Site Map**. Three (3) of the seven (7) monitor wells were dry (MW-2, MW-3, and MW-7). Water level data is summarized in **Table 1, Water Level Measurements** and contoured on **Figure 3, Water Level Map**. The four (4) monitor wells were sampled per SW-860 protocol. These samples were analyzed per USEPA method 8260 for volatile organic compounds. Two (2) of the wells, MW-5 and MW-6, had detectable BTEX values, but were well below USEPA water quality standards. Three (3) of the wells (MW-1, MW-5, MW-6) had detectable amounts of total naphthalenes; see **Table 2, Laboratory Results of the Groundwater Sample Analysis** and **Appendix A, Laboratory Analysis and Field Notes**.

Monitor well MW-1 was also noted to have a slight sheen and strong diesel odor when sampled, but did not have a measurable free product thickness.

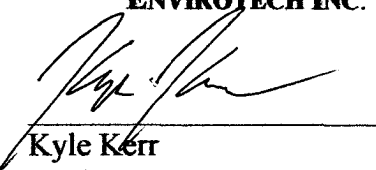
No other contamination was noted. The ground water gradient is to the south-southwest and is similar to what it was during the previous investigation, approximately ten (10) years ago. The water table is two (2) to three (3) feet lower than past measurements, resulting in a much steeper gradient of 0.0167 ft/ft.

The dry wells in the northern and northeastern part of the site are directly related to the lowering of the water table. These wells were only ten (10) feet deep when originally drilled and the water table is now projected to be slightly below the bottom of the wells.

In summary, seven (7) of the original eight (8) wells were relocated. Four (4) of these were found to have sufficient water to be sampled. None of the wells were found to exceed the USEP water quality standards. Our interpretation of these results is the groundwater has not been significantly impacted by the former UST's. Any remaining contamination is being self-remediated by natural attenuation. We recommend additional monitoring to confirm this interpretation.

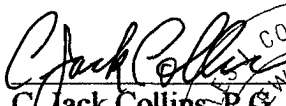
If you have any questions or if we can provide any additional information, please contact our office at (505) 632-0615.

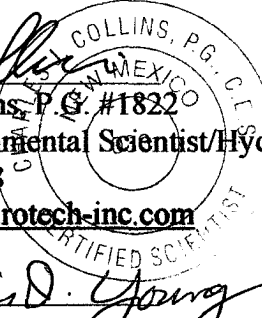
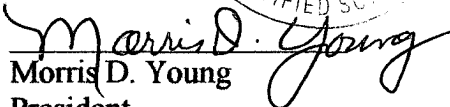
Respectfully Submitted:
ENVIROTECH INC.



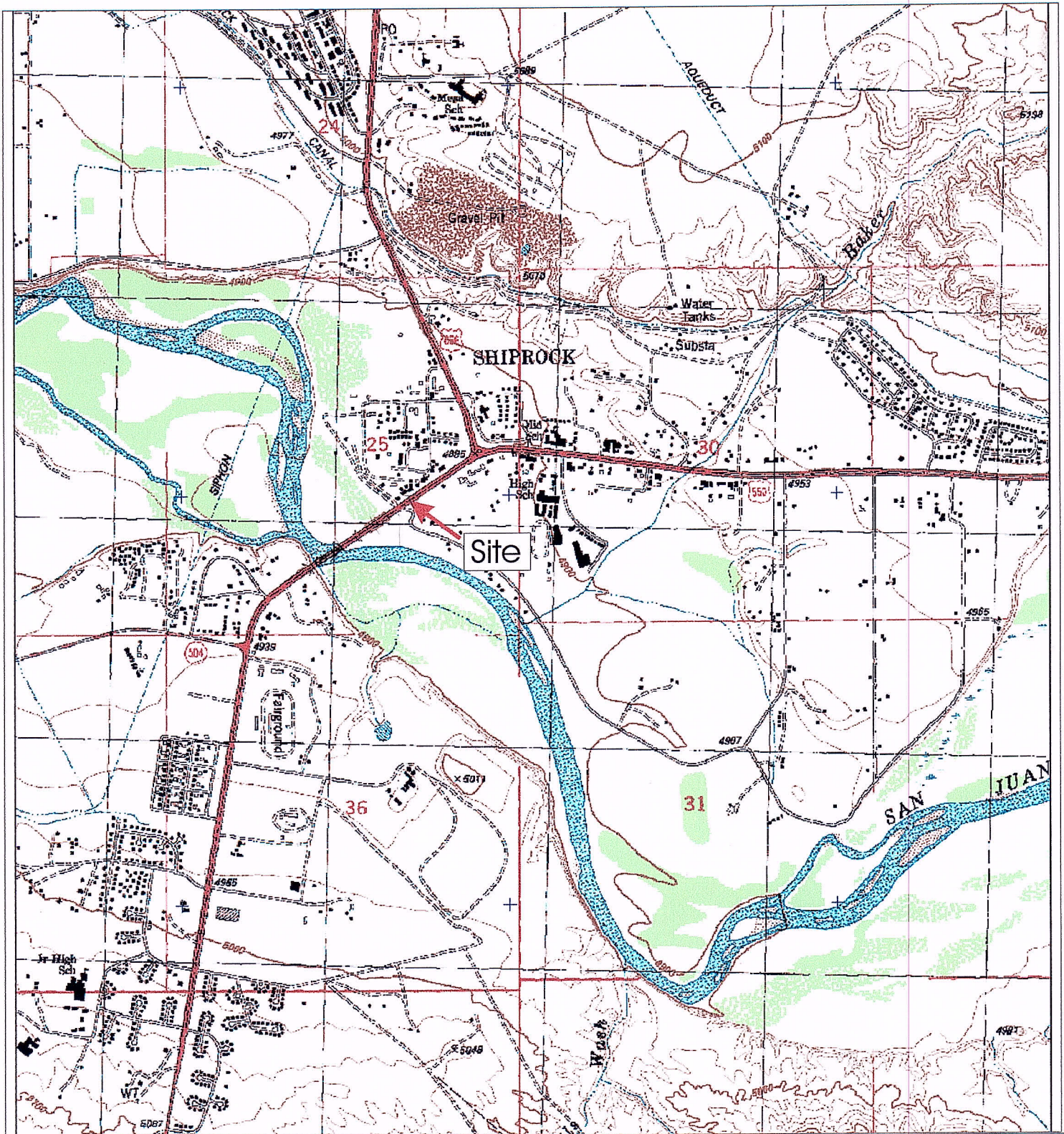
Kyle Kerr
Environmental Scientist
NMCES#299
kperr@envirotech-inc.com

Reviewed by:



C. Jack Collins, P.G. #1822
Chief Environmental Scientist/Hydrogeologist
NMCES #038
jcollins@envirotech-inc.com



Morris D. Young
President
myoung@envirotech-inc.com



Source: Shiprock, New Mexico, 7.5 Minute U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000

Bond & Bond
U.S. Highway 666
Shiprock, NM

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401

PHONE (505) 632-0615

Vicinity Map

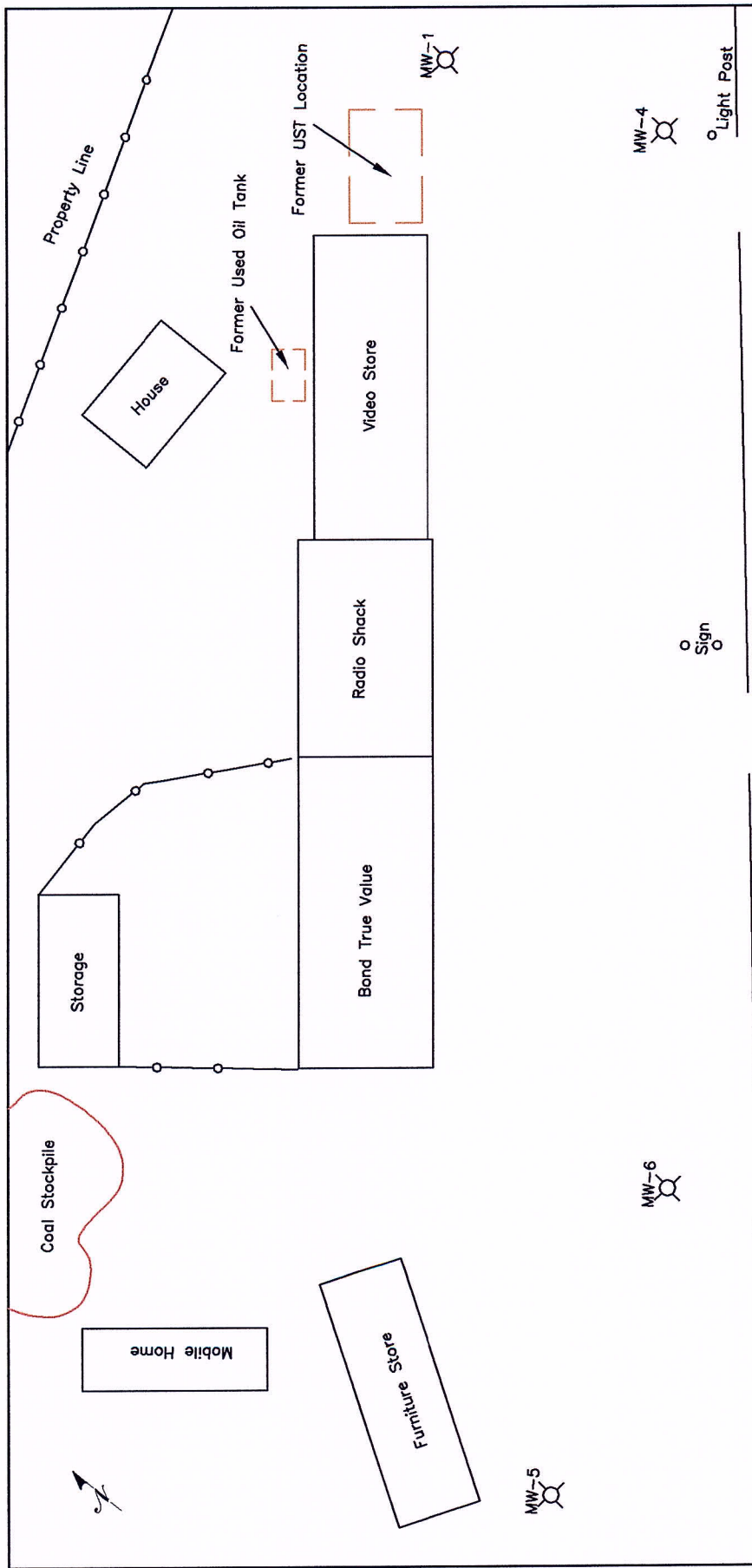
Figure 1

Drawn By:
Kyle Kerr

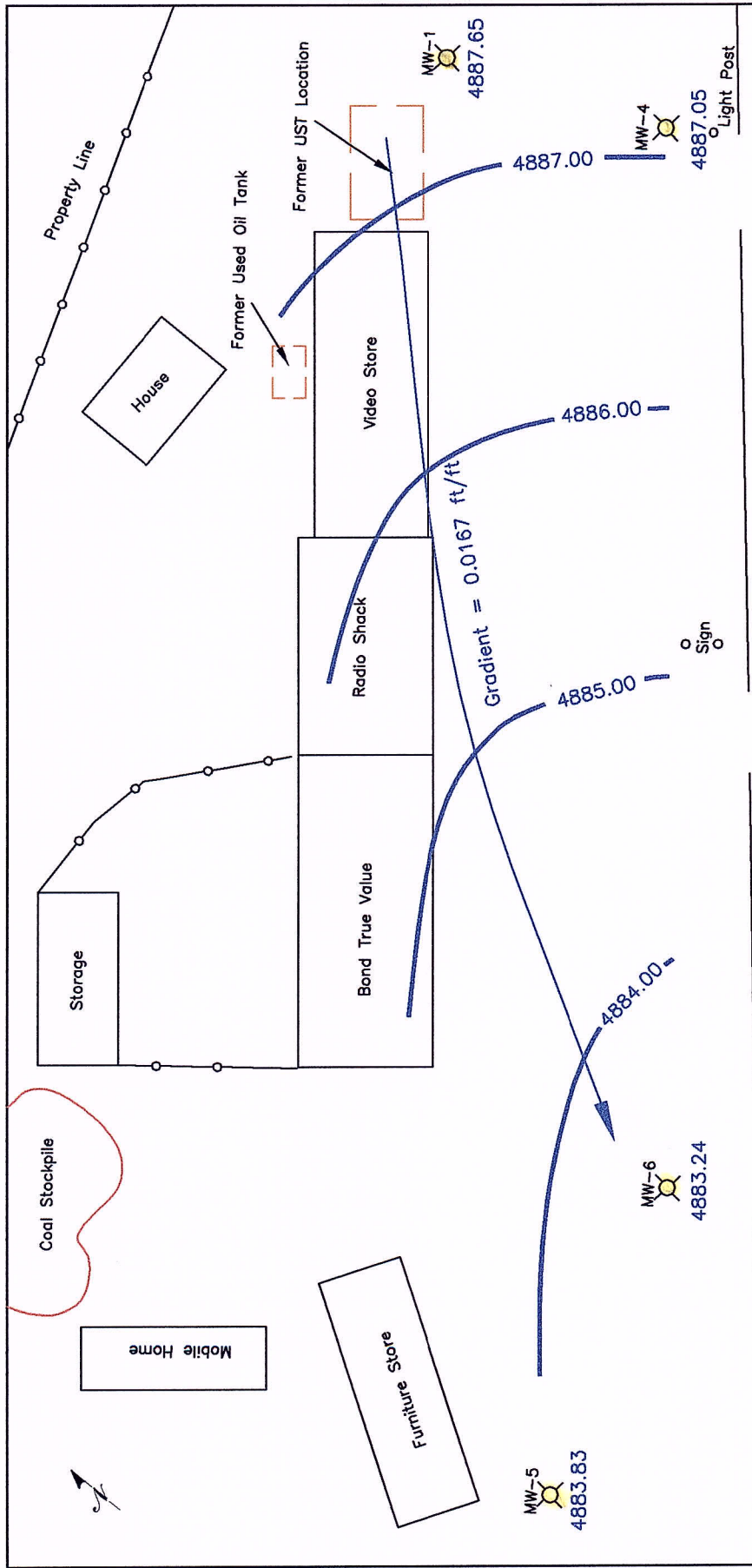
PROJECT MANAGER:
C. Jack Collins

Project# 02148-001

Date Drawn:08/03/01



<p>LEGEND</p> <p>MW-1 - Monitor Well</p> <p>(Dry Monitor Wells Have Not Been Plotted)</p> <p>(MW-2, MW-3, MW-7)</p>	<p>ENVIROTECH INC.</p> <p>ENVIRONMENTAL SCIENTISTS & ENGINEERS</p> <p>5796 U.S. HIGHWAY 64</p> <p>FARMINGTON, NEW MEXICO 87401</p> <p>(505) 632-0615</p>	<p>Bond & Bond Service Station</p> <p>HIGHWAY 666</p> <p>SHIPROCK, NEW MEXICO</p>	<p>SITE MAP</p>	<p>DATE 06/23/03</p> <p>SCALE 1" = 40'</p>
<p>REVISIONS</p> <p>BY _____ DATE _____</p> <p>BY _____ DATE _____</p>	<p>Project #02148-001</p>	<p>APPROVED</p> <p>CJC</p>	<p>FIGURE 2</p>	<p></p>



Highway 666

<p>LEGEND</p> <p>MW-1 - Monitor Well</p> <p>(Dry Monitor Wells Have Not Been Plotted)</p> <p>(MW-2, MW-3, MW-7)</p>	<p>Bond & Bond Service Station HIGHWAY 666 SHIPROCK, NEW MEXICO</p> <p>REVISIONS BY _____ DATE _____ BY _____ DATE _____</p> <p>Project #02148-001</p>	<p>ENVIROTECH INC.</p> <p>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5786 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0615</p>	<p>Water Level Map</p> <p>DATE 06/23/03 SCALE 1" = 40'</p> <p>DRAWN <u>KPK</u> APPROVED <u>CJC</u></p> <p>FIGURE 3</p>
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Site Name	Bond & Bond Service Station
Date	June 16, 2003
Project #	02148-001

Table 1

Water Level Measurements

Well #	Date of Measurement	Top of Casing Elevation (feet)	Depth to Water (feet)	Total Depth (feet)	Water Elevation (feet)
MW-1	06/16/03	4899.00	11.35	13.90	4887.65
MW-4	06/16/03	4898.01	10.96	12.65	4887.05
MW-5	06/16/03	4895.73	11.90	14.30	4883.83
MW-6	06/16/03	4893.87	10.63	13.15	4883.24

Site Name	Bond & Bond Service Station
Date	June 16, 2003
Project #	02148-001

Table 2

Laboratory Results of Groundwater Sample Analyses

USEPA Standards							
		5	1,000	700	10,000		
Well #	Sample Date	ppb(ug/L)					
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Naphthalene
MW-1	06/16/03	<1.0	<1.0	<1.0	<1.0	<1.0	32.14
MW-4	06/16/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-5	06/16/03	<1.0	<1.0	1.74	1.90	3.64	1.04
MW-6	06/16/03	1.38	<1.0	1.86	<1.0	3.24	10.29

Client:	Bond & Bond	Project #:	02148-001
Sample ID:	MW - 1	Date Reported:	06-17-03
Chain of Custody:	11026	Date Sampled:	06-16-03
Laboratory Number:	25915	Date Received:	06-16-03
Sample Matrix:	Water	Date Analyzed:	06-17-03
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Cool and Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	5.33	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	5.65	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Napthalene	8.21	(ug/L)	1.0	1
1-Methylnapthalene	14.2	(ug/L)	2.0	1
2-Methylnapthalene	9.73	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

Client: Bond & Bond
Sample ID: MW - 1
Laboratory Number: 25915

page 2

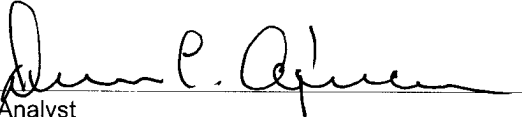
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	48.4	(ug/L)	1.0	1
4-Isopropyltoluene	16.5	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	74.4	(ug/L)	1.0	1
sec-Butylbenzene	128	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	20.0	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

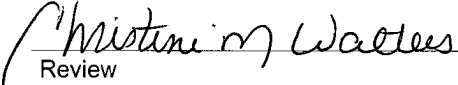
Surrogates:	Rec. Limits			
Dibromofluoromethane	98.5	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	97.6	% Recovery	74.6-123	1
Toluene-d8	99.5	% Recovery	84.2-115	1
4-Bromofluorobenzene	97.7	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: Shiprock, NM.


Analyst


Review

Client:	Bond & Bond	Project #:	02148-001
Sample ID:	MW - 4	Date Reported:	06-17-03
Chain of Custody:	11026	Date Sampled:	06-16-03
Laboratory Number:	25916	Date Received:	06-16-03
Sample Matrix:	Water	Date Analyzed:	06-17-03
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Cool and Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Napthalene	ND	(ug/L)	1.0	1
1-Methylnapthalene	ND	(ug/L)	2.0	1
2-Methylnapthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client: Bond & Bond
Sample ID: MW - 4
Laboratory Number: 25916

page 2

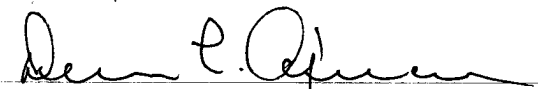
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

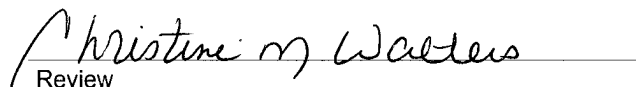
Surrogates:			Rec. Limits	
Dibromofluoromethane	93.0	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	97.2	% Recovery	74.6-123	1
Toluene-d8	99.0	% Recovery	84.2-115	1
4-Bromofluorobenzene	97.5	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: Shiprock, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client:	Bond & Bond	Project #:	02148-001
Sample ID:	MW - 5	Date Reported:	06-17-03
Chain of Custody:	11026	Date Sampled:	06-16-03
Laboratory Number:	25917	Date Received:	06-16-03
Sample Matrix:	Water	Date Analyzed:	06-17-03
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Cool and Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	1.74	(ug/L)	1.0	1
Xylenes, Total	1.90	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	1.23	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	2.00	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Napthalene	1.04	(ug/L)	1.0	1
1-Methylnapthalene	ND	(ug/L)	2.0	1
2-Methylnapthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

Client: Bond & Bond
Sample ID: MW - 5
Laboratory Number: 25917

page 2

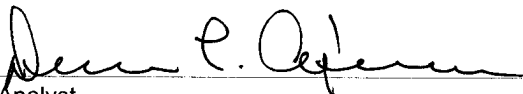
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

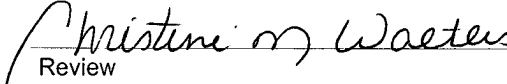
Surrogates:	Rec. Limits			
Dibromofluoromethane	93.0	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	97.2	% Recovery	74.6-123	1
Toluene-d8	99.0	% Recovery	84.2-115	1
4-Bromofluorobenzene	97.5	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: Shiprock, NM.


Analyst


Review

Client:	Bond & Bond	Project #:	02148-001
Sample ID:	MW - 6	Date Reported:	06-17-03
Chain of Custody:	11026	Date Sampled:	06-16-03
Laboratory Number:	25918	Date Received:	06-16-03
Sample Matrix:	Water	Date Analyzed:	06-17-03
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Cool and Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	1.38	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	1.86	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Napthalene	3.93	(ug/L)	1.0	1
1-Methylnapthalene	2.75	(ug/L)	2.0	1
2-Methylnapthalene	3.61	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

Client: Bond & Bond
Sample ID: MW - 6
Laboratory Number: 25918

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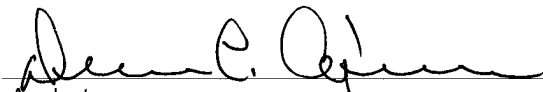
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

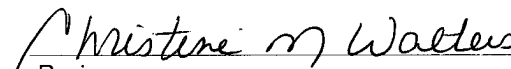
Surrogates:	Rec. Limits			
Dibromofluoromethane	90.1	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	92.7	% Recovery	74.6-123	1
Toluene-d8	93.4	% Recovery	84.2-115	1
4-Bromofluorobenzene	93.5	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: Shiprock, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-17-03
Laboratory Number:	06-17 VOA	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-17-03
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Napthalene	ND	(ug/L)	1.0	1
1-Methylnapthalene	ND	(ug/L)	2.0	1
2-Methylnapthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 06-17 VOA

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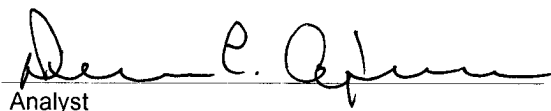
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

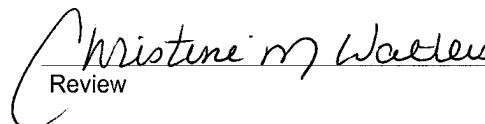
Surrogates:	Rec. Limits			
Dibromofluoromethane	93.8	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	94.8	% Recovery	74.6-123	1
Toluene-d8	92.9	% Recovery	84.2-115	1
4-Bromofluorobenzene	94.9	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for samples 25915 - 25918.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS Quality Assurance Report

Client: QA/QC
Sample ID: Matrix Spikes
Laboratory Number: 06-17-VOA - 25915
Sample Matrix: Water
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 06-17-03
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-17-03
Analysis Requested: 8260 VOC

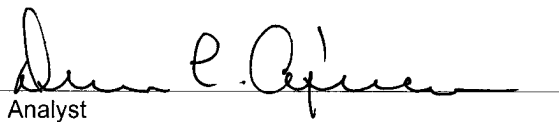
Spike Analyte	Units: uG/L		Result	%Recovery	Recovery Limits	Det. Limit
	Sample	Added				
Benzene	ND	100.0	99.9	99.9%	85.3 - 120	1.0
Toluene	ND	100.0	99.9	99.9%	73 - 123	1.0
Chlorobenzene	ND	100.0	99.6	99.6%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	99.5	99.5%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	99.6	99.6%	76.1 - 126	1.0

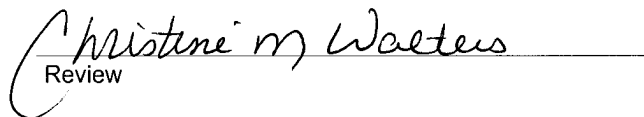
Spike Duplicate Analyte	Units: uG/L		Result	%Recovery	Recovery Limits	Det. Limit
	Sample	Added				
Benzene	ND	100.0	99.9	99.9%	85.3 - 120	1.0
Toluene	ND	100.0	99.8	99.8%	73 - 123	1.0
Chlorobenzene	ND	100.0	99.7	99.7%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	99.6	99.6%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	99.6	99.6%	76.1 - 126	1.0

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for samples 25915 - 25918.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS Daily Calibration Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Daily Calibration	Date Reported:	06-17-03
Laboratory Number:	06-17-VOA	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-17-03
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Result	% Recoverd	% Recovery Limits
Benzene	100	99.8	99.8	80 - 120
Toluene	100	99.8	99.8	80 - 120
Ethylbenzene	100	99.3	99.3	80 - 120
Xylenes, Total	100	99.6	99.6	80 - 120
Methyl tert-butyl ether (MTBE)	100	99.1	99.1	80 - 120
1,2,4-Trimethylbenzene	100	99.1	99.1	80 - 120
1,3,5-Trimethylbenzene	100	99.0	99.0	80 - 120
1,2-Dichloroethane (EDC)	100	99.4	99.4	80 - 120
1,2-Dibromoethane (EDB)	100	99.7	99.7	80 - 120
Napthalene	100	99.8	99.8	80 - 120
1-Methylnapthalene	100	99.6	99.6	80 - 120
2-Methylnapthalene	100	99.4	99.4	80 - 120
Bromobenzene	100	99.3	99.3	80 - 120
Bromochloromethane	100	99.6	99.6	80 - 120
Bromodichloromethane	100	99.4	99.4	80 - 120
Bromoform	100	99.5	99.5	80 - 120
Bromomethane	100	99.8	99.8	80 - 120
Carbon Tetrachloride	100	99.6	99.6	80 - 120
Chlorobenzene	100	99.8	99.8	80 - 120
Chloroethane	100	99.5	99.5	80 - 120
Chloroform	100	99.2	99.2	80 - 120
Chloromethane	100	99.3	99.3	80 - 120
2-Chlorotoluene	100	99.2	99.2	80 - 120
4-Chlorotoluene	100	99.1	99.1	80 - 120
cis-1,2-Dichloroethene	100	99.4	99.4	80 - 120
cis-1,3-Dichloropropene	100	99.2	99.2	80 - 120
1,2-Dibromo-3-chloropropane	100	99.1	99.1	80 - 120
Dibromochloromethane	100	99.0	99.0	80 - 120
Dibromoethane	100	99.2	99.2	80 - 120
1,2-Dichlorobenzene	100	99.3	99.3	80 - 120
1,3-Dichlorobenzene	100	99.6	99.6	80 - 120
1,4-Dichlorobenzene	100	99.3	99.3	80 - 120
Dichlorodifluoromethane	100	99.2	99.2	80 - 120
1,1-Dichloroethane	100	99.6	99.6	80 - 120
1,1-Dichloroethene	100	99.7	99.7	80 - 120
1,2-Dichloropropane	100	99.4	99.4	80 - 120
1,3-Dichloropropane	100	99.6	99.6	80 - 120
2,2-Dichloropropane	100	99.3	99.3	80 - 120

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Daily Calibration
Laboratory Number: 06-17-VOA

page 2

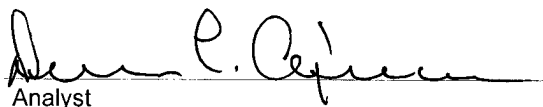
Parameter	Concentration (ug/L)	Result	% Recoverd	% Recovery Limits
1,1-Dichloropropene	100	99.4	99.4	80 - 120
Hexachlorobutadiene	100	99.6	99.6	80 - 120
Isopropylbenzene	100	99.3	99.3	80 - 120
4-Isopropyltoluene	100	99.4	99.4	80 - 120
Methylene Chloride	100	99.5	99.5	80 - 120
n-Butylbenzene	100	99.3	99.3	80 - 120
n-Propylbenzene	100	99.1	99.1	80 - 120
sec-Butylbenzene	100	99.4	99.4	80 - 120
Styrene	100	98.9	98.9	80 - 120
tert-Butylbenzene	100	99.4	99.4	80 - 120
Tetrachloroethene (PCE)	100	99.6	99.6	80 - 120
1,1,1,2-Tetrachloroethane	100	99.4	99.4	80 - 120
1,1,2,2-Tetrachloroethane	100	98.9	98.9	80 - 120
trans-1,2-Dichloroethene	100	99.3	99.3	80 - 120
trans-1,3-Dichloropropene	100	99.5	99.5	80 - 120
Trichloroethene (TCE)	100	99.4	99.4	80 - 120
Trichlorofluoromethane	100	99.3	99.3	80 - 120
1,2,3-Trichlorobenzene	100	99.6	99.6	80 - 120
1,2,4-Trichlorobenzene	100	99.3	99.3	80 - 120
1,1,1-Trichloroethane	100	99.5	99.5	80 - 120
1,1,2-Trichloroethane	100	99.7	99.7	80 - 120
1,2,3-Trichloropropane	100	99.5	99.5	80 - 120
Vinyl Chloride	100	99.3	99.3	80 - 120

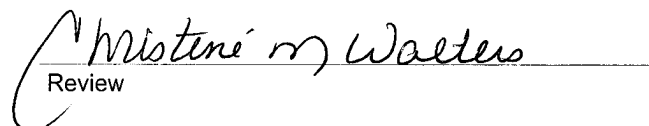
Surrogates:			Rec. Limits
Dibromofluoromethane	101.0	% Recovery	78.6-115
1,2-Dichloroethane-d4	102.9	% Recovery	74.6-123
Toluene-d8	100.1	% Recovery	84.2-115
4-Bromofluorobenzene	98.9	% Recovery	78.6-115

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for samples 25915 - 25918.


Analyst


Review

11026

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Note well diameter if not one of the above.